

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/274,752C

DATE: 03/13/2001
TIME: 17:08:17

Input Set : A:\A-67501.app
Output Set: N:\CRF3\03132001\I274752C.raw

P.S

3 <110> APPLICANT: Goetzel, Edward L.
 4 An, Songzhu
 6 <120> TITLE OF INVENTION: Human Polypeptide Receptors for Lysophospholipids and
 7 Sphingolipids and Nucleic Acids Encoding the Same
 9 <130> FILE REFERENCE: A-67501/DJB/TAL
 11 <140> CURRENT APPLICATION NUMBER: 09/274,752C
 12 <141> CURRENT FILING DATE: 1999-03-23
 14 <160> NUMBER OF SEQ ID NOS: 29
 16 <170> SOFTWARE: PatentIn Ver. 2.0
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 382
 20 <212> TYPE: PRT
 21 <213> ORGANISM: Homo sapiens
 23 <400> SEQUENCE: 1
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 25 1 5 10 15
 27 Tyr Asn Asn Ser Gly Lys Glu Leu Ser Ser His Trp Arg Pro Lys Asp
 28 20 25 30
 30 Val Val Val Ala Leu Gly Leu Thr Val Ser Val Leu Val Leu Leu
 31 35 40 45
 33 Thr Asn Leu Leu Val Ile Ala Ala Ile Ala Ser Asn Arg Arg Phe His
 34 50 55 60
 36 Gln Pro Ile Tyr Tyr Leu Leu Gly Asn Leu Ala Ala Ala Asp Leu Phe
 37 65 70 75 80
 39 Ala Gly Val Ala Tyr Leu Phe Leu Met Phe His Thr Gly Pro Arg Thr
 40 85 90 95
 42 Ala Arg Leu Ser Leu Glu Gly Trp Phe Leu Arg Gln Gly Leu Leu Asp
 43 100 105 110
 45 Thr Ser Leu Thr Ala Ser Val Ala Thr Leu Leu Ala Ile Ala Val Glu
 46 115 120 125
 48 Arg His Arg Ser Val Met Ala Val Gln Leu His Ser Arg Leu Pro Arg
 49 130 135 140
 51 Gly Arg Val Val Met Leu Ile Val Gly Val Trp Val Ala Ala Leu Gly
 52 145 150 155 160
 54 Leu Gly Leu Leu Pro Ala His Ser Trp His Cys Leu Cys Ala Leu Asp
 55 165 170 175
 57 Arg Cys Ser Arg Met Ala Pro Leu Leu Ser Arg Ser Tyr Leu Ala Val
 58 180 185 190
 60 Trp Ala Leu Ser Ser Leu Leu Val Phe Leu Leu Met Val Ala Val Tyr
 61 195 200 205
 63 Thr Arg Ile Phe Phe Tyr Val Arg Arg Arg Val Gln Arg Met Ala Glu
 64 210 215 220
 66 His Val Ser Cys His Pro Arg Tyr Arg Glu Thr Thr Leu Ser Leu Val
 67 225 230 235 240
 69 Lys Thr Val Val Ile Ile Leu Gly Ala Phe Val Val Cys Trp Thr Pro
 70 245 250 255
 72 Gly Gln Val Val Leu Leu Leu Asp Gly Leu Gly Cys Glu Ser Cys Asn

Does Not Comply
Corrected Diskette Needed

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73	260	265	270	
75	Val Leu Ala Val Glu Lys Tyr Phe Leu Leu Leu Ala Glu Ala Asn Ser			
76	275	280	285	
78	Leu Val Asn Ala Ala Val Tyr Ser Cys Arg Asp Ser Glu Met Arg Arg			
79	290	295	300	
81	Thr Phe Arg Arg Leu Leu Cys Cys Ala Cys Leu Arg Gln Ser Thr Arg			
82	305	310	315	320
84	Glu Ser Val His Tyr Thr Ser Ser Ala Gln Gly Gly Ala Ser Thr Arg			
85	325	330	335	
87	Ile Met Leu Pro Glu Asn Gly His Pro Leu Met Thr Pro Pro Phe Ser			
88	340	345	350	
90	Tyr Leu Glu Leu Gln Arg Tyr Ala Ala Ser Asn Lys Ser Thr Ala Pro			
91	355	360	365	
93	Asp Asp Leu Trp Val Leu Leu Ala Gln Pro Asn Gln Gln Asp			
94	370	375	380	
97	<210> SEQ ID NO: 2			
98	<211> LENGTH: 1734			
99	<212> TYPE: DNA			
100	<213> ORGANISM: Homo sapiens			
102	<400> SEQUENCE: 2			
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104	tctcgccgt gactggaggc ccagatggtc atcatgggc agtgcataca caacgagacc	120		
105	atcggtttct tctataacaa cagtggcaaa gagctcagct cccactggcg gccaaggat	180		
106	gtggctgtgg tggcactggg gctgaccgtc agcgtgctgg tgctgtgtac caatctgtg	240		
107	gtcatagcag ccatacgccctc caaccggccgc ttccaccaggc ccatctacta cctgtgtggc	300		
108	aatctggccg cggctgaccc tttcgccggc gtggcctacc ttttcctcat gttccacact	360		
109	ggtcccccgc a cagcccgact ttcacttgag ggctggttcc tgccggcaggc cttgctggac	420		
110	acaaggctca ctgcgtcggt gcccacactg ctggccatcg ccgtggagct gcaccgcagt	480		
111	gtatgtccg tgcagctgca cagccgcctg cccctgtggcc gctgtgtcat gtcatttgt	540		
112	ggcgtgtggg tggctgcctt gggcctgggg ctgtgtgcctg cccactcctg gcactgcctc	600		
113	tgtccctgg acggctgtc acgcattggca cccctgtctca gccgcctcta tttggccgtc	660		
114	tggctctgt cgagccctgc tgttccctg ctcatgggttg ctgtgtacac ccgcattttc	720		
115	tttacatgtc ggcggcgagt gcagcgtatgc gtagatgc tcagctgc ccccgctac	780		
116	cggagagacca cgtcgccgtt ggtcaagact gttgttcatca tcctggggc gttcgtggc	840		
117	tgcgtggacac caggcccgatgtt ggtactgtc ctggatgggtt taggtgtga gtcctgtcaat	900		
118	gtctggctg tagaaaaatgtt cttctactg ttggccgagg ccaactcaat ggtcaatgt	960		
119	gctgtgtact ttggccgaga tgctgtatgtt cggccgcacct tccggccct tctctgtgc	1020		
120	gcgtgcotcc gccaggccac ccgcgaggct gtccactata catcctctgc ccaggggagg	1080		
121	gccagcactc gcatcatgtc tcccgagaac gccacccac tgcgtactcc acccttttgc	1140		
122	tacccgttac ttccatgtt cgcggcaagc aacaaaatccca cagccctgtc tgacttgg	1200		
123	gtgtctctgg ctcaacccaa ccaacaggac tgactgtactg gcaggacaag gtcgtggat	1260		
124	gcacagcacc actgcgcaggc ctccccaggc acaccactt gcccaggaa tggggcttt	1320		
125	gggtcatctc ccactgcgtt ggggaggatcg atgggggtca ggaatctggc tcttcagcca	1380		
126	tctcagggttta aaaaaaaaaaaaaatattctgtttt tcactgcgtt cccttggtaa	1440		
127	gcccgtgtgg ctggatgtt ctgtgtatgc ctggatgggtt taagggtggg agagataagg	1500		
128	gctctctctgg gccatgtac ccggatgtac tgggtatgtt ggacagactg tggacacccc	1560		
129	atctacatgtt gtcgtatgtt ttagcagcag agactgaggg gtcagatgt tgactggg	1620		
130	aaggtttgtt gtccttgca gcctccaggc actggcctgtt ccccaataga attgaagcag	1680		
131	tccacggggaa ggggatgata caaggatcaa acctttctttt acactcaaaaa aaaa	1734		

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Input Set : A:\A-67501.app
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133 <210> SEQ ID NO: 3
 134 <211> LENGTH: 353
 135 <212> TYPE: PRT
 136 <213> ORGANISM: Homo sapiens
 138 <400> SEQUENCE: 3
 139 Met Gly Ser Leu Tyr Ser Glu Tyr Leu Asn Pro Asn Lys Val Gln Glu
 140 1 5 10 15
 142 His Tyr Asn Tyr Thr Lys Glu Thr Leu Glu Thr Gln Glu Thr Thr Ser
 143 20 25 30
 145 Arg Gln Val Ala Ser Ala Gly Ile Val Ile Leu Cys Cys Ala Ile Val
 146 35 40 45
 148 Val Glu Asn Leu Leu Val Leu Ile Ala Val Ala Arg Asn Ser Lys Phe
 149 50 55 60
 151 His Ser Ala Met Tyr Leu Phe Leu Gly Asn Leu Ala Ala Ser Asp Leu
 152 65 70 75 80
 154 Leu Ala Gly Val Ala Phe Val Ala Asn Thr Leu Leu Ser Gly Ser Val
 155 85 90 95
 157 Thr Leu Arg Leu Thr Pro Val Gln Trp Phe Ala Arg Glu Gly Ser Ala
 158 100 105 110
 160 Ser Ile Thr Leu Ser Ala Ser Val Gly Ser Leu Leu Ala Ile Ala Ile
 161 115 120 125
 163 Glu Arg His Val Ala Ile Ala Lys Val Lys Leu Tyr Gly Ser Cys Lys
 164 130 135 140
 166 Ser Cys Arg Met Leu Leu Ile Gly Ala Ser Trp Leu Ile Ser Leu
 167 145 150 155 160
 169 Val Leu Gly Gly Leu Pro Ile Leu Gly Trp Asn Cys Leu Gly His Leu
 170 165 170 175
 172 Glu Ala Cys Ser Thr Val Leu Pro Leu Tyr Ala Lys His Tyr Val Leu
 173 180 185 190
 175 Cys Val Val Thr Ile Phe Ser Ile Ile Leu Leu Ala Ile Val Ala Leu
 176 195 200 205
 178 Tyr Val Arg Ile Tyr Cys Val Val Arg Ser Ser His Ala Asp Met Ala
 179 210 215 220
 181 Ala Pro Gln Thr Leu Ala Leu Leu Lys Thr Val Thr Ile Val Leu Gly
 182 225 230 235 240
 184 Val Phe Ile Val Cys Trp Leu Pro Ala Phe Ser Ile Leu Leu Leu Asp
 185 245 250 255
 187 Tyr Ala Cys Pro Val His Ser Cys Pro Ile Leu Tyr Lys Ala His Tyr
 188 260 265 270
 190 Phe Phe Ala Val Ser Thr Leu Asn Ser Leu Leu Asn Pro Val Ile Tyr
 191 275 280 285
 193 Thr Trp Arg Ser Arg Asp Leu Arg Arg Glu Val Leu Arg Pro Leu Gln
 194 290 295 300
 196 Cys Trp Arg Pro Gly Val Gly Val Gln Gly Arg Arg Arg Val Gly Thr
 197 305 310 315 320
 199 Pro Gly His His Leu Leu Pro Leu Arg Ser Ser Ser Ser Leu Glu Arg
 200 325 330 335
 202 Gly Met His Met Pro Thr Ser Pro Thr Phe Leu Glu Gly Asn Thr Val
 203 340 345 350

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Input Set : A:\A-67501.app
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205 Val
 209 <210> SEQ ID NO: 4
 210 <211> LENGTH: 1122
 211 <212> TYPE: DNA
 212 <213> ORGANISM: Homo sapiens
 214 <400> SEQUENCE: 4
 215 atggcagct tgtactcgga gtacctgaac cccacaagg tccaggaaca ctataattat 60
 216 accaaggaga cgctggaaac gcaggagacg acctcccgc aggtggcctc ggccatc 120
 217 gtcatccctct gttgcgcatt gcaggagacg acctcccgc aggtggcctc ggccatc 180
 218 gtcatccctct gttgcgcatt tttgtggaa aacttctgg tgcttgc ggtggccga 240
 219 aacagcaagt tccactcgcc aatgtacctg tttctggca acctggccgc ctccgatcta 300
 220 ctggcaggcg tggccttcgt agccaatadd ttgctctctg gctctgtcac gctgaggctg 360
 221 acgcgtgtgc agtggttgc ccgggagggc tctgcctcca tcacgttgc ggccatc 420
 222 ttcagccatcc tggccatcgcatggc cattggcgac cacgtggca ttggccaaggt caagctgtat 480
 223 ggcagcgaca agagctggcg catgttctg ctcatcgggg cctcggtgc catctcgctg 540
 224 gtcctcggtg gcctgccccat ccttggctgg aactgcctgg gccacctcgaa ggccatc 600
 225 actgtcttcgc ctctctacgc caagcattat gtgctgtgc tggtaaccat ctctccatc 660
 226 atccctgttgg ccategtggc cctgtacgtg cgcatctact gctgggtcccg ctcaagccac 720
 227 gctgacatgg cccggccgc gacgctagcc ctgctcaaga cggtcaccat cgtgcttaggc 780
 228 gtctttatcg tctgtgtgc gcccgccttc agcatcctcc ttctggacta tgctgtccc 840
 229 gtccactcct gcccgcattct ctacaaagcc cactacttt tcggcgatc caccctgaat 900
 230 tccctgtca accccgtcat ctacacgtgg cgcagccggg acctgcggcg ggaggtgtt 960
 231 cggccgtgc agtgctggcg gcccgggtg ggggtgcaag gacggaggcg ggccggacc 1020
 232 cccggccacc acctccgtcc actccgcagc tccagctccc tggagagggg catgcacatg 1080
 233 cccacgttaccc acacgttgc ccacgttgc ggaggcaac acgggtgtct ga 1122
 235 <210> SEQ ID NO: 5
 236 <211> LENGTH: 375
 237 <212> TYPE: DNA
 238 <213> ORGANISM: Homo sapiens
 240 <400> SEQUENCE: 5
 241 gggccatggc tggagccgcc ccgacccccc gcgagccgc cttgtctgcg gctgtactgg 60
 242 aggccccat ggtcatcatg ggccactgtactacaacgc gaccatcgcc ttcttcata 120
 243 acaaactgg caaaagatgc agctccact ggcggcccaaa ggtatgtggc gtggtggcac 180
 244 tggggctgac cgtcagctgtc ctgggtctgc tgaccaatct gctggtcata gcaatcg 240
 245 cctccaaaccg cccgttccac cagccatct actacctgtct gggcaatctg gccggccgtg 300
 246 acctcttcgc gggctgtgttgc acctcttcgc catgttccac actggcccc gcaacagcccg 360
 247 actttcaactt gaggg 375
 249 <210> SEQ ID NO: 6
 250 <211> LENGTH: 8
 251 <212> TYPE: PRT
 252 <213> ORGANISM: combination of rat and human.
 254 <400> SEQUENCE: 6
 255 Leu Leu Ala Ile Ala Ile Glu Arg
 256 1 5
 259 <210> SEQ ID NO: 7
 260 <211> LENGTH: 22
 261 <212> TYPE: DNA
 262 <213> ORGANISM: combination of rat and human.
 264 <220> FEATURE:

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Input Set : A:\A-67501.app
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265 <221> NAME/KEY: misc_feature
266 <222> LOCATION: (6)
267 <223> OTHER INFORMATION: The n at position 6 can be g or c.
269 <220> FEATURE:
270 <221> NAME/KEY: misc_feature
271 <222> LOCATION: (12)
272 <223> OTHER INFORMATION: The n at position 12 can be c or t.
274 <220> FEATURE:
275 <221> NAME/KEY: misc_feature
276 <222> LOCATION: (17)
277 <223> OTHER INFORMATION: The n at position 17 can be c or t.
279 <220> FEATURE:
280 <221> NAME/KEY: misc_feature
281 <222> LOCATION: (21)
282 <223> OTHER INFORMATION: The n at position 21 can be a or c.
284 <400> SEQUENCE: 7

OK 285 ctccctngcca tngcatngag ng 22
287 <210> SEQ ID NO: 8
288 <211> LENGTH: 8
289 <212> TYPE: PRT
290 <213> ORGANISM: combination of rat and human.
292 <400> SEQUENCE: 8
293 Leu Leu Leu Leu Asp Ser Thr Cys
294 1 5
297 <210> SEQ ID NO: 9
298 <211> LENGTH: 22
299 <212> TYPE: DNA
300 <213> ORGANISM: combination of rat and human.
302 <220> FEATURE:
303 <221> NAME/KEY: misc_feature 15 21
304 <222> LOCATION: (4), (15), (21)
305 <223> OTHER INFORMATION: The n at position 4, 15, and 21 can be c or g.
307 <220> FEATURE:
308 <221> NAME/KEY: misc_feature
309 <222> LOCATION: (6), (18) 18
310 <223> OTHER INFORMATION: The n at position 6 and 18 can be a or c.
312 <220> FEATURE:
313 <221> NAME/KEY: misc_feature
314 <222> LOCATION: (7), (9), (18) 18
315 <223> OTHER INFORMATION: The n at position 7, 9, and 18 can be a or g.
317 <400> SEQUENCE: 9

W--> 318 cagtnnnnt ccagnagnag na 22
320 <210> SEQ ID NO: 10
321 <211> LENGTH: 24
322 <212> TYPE: DNA
323 <213> ORGANISM: Homo sapiens
325 <400> SEQUENCE: 10
326 gcaggacagt ggagcaggcc tcga 24
328 <210> SEQ ID NO: 11

VERIFICATION SUMMARY
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L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9